



## OECD/France workshop “Innovation Strategy: education and competences”

7-8 december 2009

Location : International Energy Agency (IEA)

9 rue de la Fédération, 75015 paris

Paris, France

### Background

The OECD Innovation Strategy was launched by Ministers at their May 2007 Ministerial Council Meeting. There a mandate was given to address countries' needs for a more comprehensive, coherent, and timely understanding of how to promote, measure and assess innovation and its underlying dynamics of change. In response, the OECD is developing a horizontal and multidisciplinary strategy for addressing the needs of countries for advice on harnessing the potential of innovation as a driver of growth and productivity, equity and development. One of the horizontal working groups of the Innovation Strategy is focussing on *the role of human capital*.

The work was launched with an international [OECD-Germany workshop](#) on “Advancing innovation: human resources, education and training” on 17-18 November 2008. Country representatives and experts discussed the role of human resources in their national innovation strategies and started to discuss some national perspectives on innovation in education. The seminar emphasised the need to broaden the objectives of innovation to non-economic objectives; to examine to what extent education systems transmit behavioural and social skills as well as knowledge; to stress the importance of the intermediate level skills acquired in vocational education and training; to take into account the diversity of innovation; to highlight the importance of innovation in public services; to map the tools used to promote innovation and improvement in education and analyse their interaction. The full summary report and presentations at the meeting can be found on the workshop website.

While continuing the discussion on the skills and education required in an innovation-driven society, this [OECD-France workshop](#) hosted by the French Ministries of Education and Higher Education will put more emphasis on discussing how innovative practices can be introduced, adopted and mainstreamed within education and training systems in order to improve their learning, equity and efficiency outcomes, and to equip students with innovation skills.

### Objectives

This two-day workshop aims to:

- Discuss the main findings related to skills for innovation and their implications for education ;
- Discuss the role of information systems and assessment for fostering innovation in education; and
- Provide a forum for countries to share experiences on their explicit or implicit educational innovation strategies.

## Annotated Agenda

<b>Monday 7 December</b>	
9.15	Registration
9.30	<p><b>Session 1: Welcome</b></p> <p>Chair: Dirk Van Damme, OECD, Head of CERI</p> <ul style="list-style-type: none"> <li>• Michel Quéré, Ministry of Education, Director for Evaluation and Foresight</li> <li>• Bernard Hugonnier, OECD, Deputy Director for Education</li> <li>• Miriam Koreen, OECD, STI, Senior Project Manager</li> </ul>
9.50	<p><b>Session 2: Skills for innovation</b></p> <p>The key messages on human resources and skills for innovation will be briefly presented, before a focus on the role of the use of skills within companies and of learning organisations in the innovation process. Discussion will follow.</p> <ul style="list-style-type: none"> <li>• Stéphan Vincent-Lancrin, OECD, CERI</li> <li>• Nathalie Greenan (Centre d'Etude de l'Emploi) and Edward Lorenz (University of Nice): Learning Organisations</li> </ul>
11.00	Break
11.30	<p><b>Session 3: Education for innovation</b></p> <p>This session will focus on the educational implications of the skills for innovation identified in the previous session. It will notably examine how some features such as pedagogy or assessment can lead to the development of the social and behavioural skills, beyond disciplinary ones. Some of the questions to be addressed in the discussion are the following:</p> <p>(1) What pedagogies could stimulate these skills for innovation?  (2) What education policy instruments could be used to this effect?  (3) How do we know that we are progressing towards this goal?</p> <ul style="list-style-type: none"> <li>• Katerina Ananiadou, OECD: “21<sup>st</sup> Century skills in national curricula”</li> <li>• David Istance, OECD: “what type of learning leads to skills for innovation?”</li> <li>• Janet Looney, Vital Insight: “Assessment and Innovation in education”</li> </ul>
13.00	Lunch
14.15	<b>Session 4: Final discussion on skills and education for innovation</b>

14.45	<p><b>Session 5: Innovation in education: framework and issues</b></p> <p>Chair: Stéphan Vincent-Lancrin, OECD, CERI</p> <p>In this session, after a brief introduction by the Secretariat, a framework for understanding the innovation ecosystem in education will be presented and discussed. Some of the questions for discussion could be the following:</p> <p>(1) Are there other major avenues/instruments to explore to foster a dynamics of continuous improvement and radical innovation in education?</p> <p>(2) Is there a need for dedicated tools and programmes to promote capacity building and the development of a strong applied-oriented research (and more generally transfer and educational engineering)?</p> <p>(3) What mix of incentives could optimize motivation for and benefit from educational innovation?</p> <p>(4) To what extent is the lack of demand/market for innovation in education the problem? How could that be changed?</p> <ul style="list-style-type: none"> <li>• Dominique Foray, Ecole Polytechnique Fédérale de Lausanne: “Innovation ecosystems for education”</li> </ul>
15.45	Break
16.15	<p><b>Session 6: Information systems for innovation in education: advances and promises</b></p> <p>Chair: Barbara Ischinger, OECD, Director for Education</p> <p>New information systems allowed by technology present new opportunities for innovation and improvement in education: these information systems will be presented. A demonstration of New York City’s information system will be given as an example as well as its role in New York City’s educational innovation and improvement strategy. Some of the questions for the discussion could be:</p> <p>(1) How are similar systems used in other OECD countries?</p> <p>(2) What are the promises of these information systems?</p> <p>(3) What can we expect from the next generation of information systems for innovation and improvement?</p> <ul style="list-style-type: none"> <li>• Larry Berger, Wireless Generation: “Data systems for educational innovation and improvement: ARIS and its role in New York City’s innovation strategy”</li> </ul>
17.45	Adjourn

18:30-21.00	Gala dinner hosted by the French Ministry of Education: Restaurant: 58 Tour Eiffel Address: Eiffel Tower – 1st floor – Champ de Mars – Paris 7 Tel: + 33-1-72-76-18-46
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<b>Tuesday 8 December</b>	
9.30	<p><b>Session 7: Strategies for improvement and innovation: 3 country examples</b></p> <p>Chair: Claude Sauvageot, France, Ministry of Education, CERI Governing Board Member</p> <p>Countries will present their policies and strategies for creating a climate of innovation and improvement in education. A discussion will follow.</p> <ul style="list-style-type: none"> <li>• The Netherlands: Daisy Satijn, Ministry of Education</li> <li>• Finland : Jari Koivisto, National Board of Education</li> <li>• France : Françoise Cros, Conservatoire National des Arts et Métiers</li> </ul>
11.00	<b>Break</b>
11.30-12.30	<b>Session 7 (continued)</b>
12.30	<p><b>Session 8: Towards indicators for innovation in education: first steps</b></p> <p>An educational innovation strategy has to involve some measurement and monitoring of innovation in education: this session will present some ways of advancing this agenda.</p> <ul style="list-style-type: none"> <li>• Stéphan Vincent-Lancrin, OECD/CERI</li> </ul>
13.00	<b>Lunch</b>
14.00	<p><b>Session 9: Teachers, schools and the learning environment in education</b></p> <p>The TALIS survey has cast light on teachers attitudes, work practices and support within schools for innovation and improvement. This session will discuss some of the main issues that could facilitate teachers' involvement in the innovation process, from the generation of innovations through to the use of innovations.</p> <ul style="list-style-type: none"> <li>• Michael Davidson, OECD: Innovation in learning environments: initial findings from TALIS</li> </ul>

<b>15.00</b>	<p><b>Session 10: Innovation in education: towards a strategy</b></p> <p><b>Final discussion and next steps</b></p> <p>This session will wrap up the discussions of the workshop and help identify key principles for innovation strategies in education. Drawing on discussions of the previous days, participants will be invited to identify 2 main obstacles for innovation and improvement in education and to propose 2 key and timely solutions to tackle them. The Secretariat and the French hosts will then bring the meeting to a close.</p> <ul style="list-style-type: none"> <li>• Dirk Van Damme, OECD, Head of CERI</li> <li>• Claude Sauvageot, France, Ministry of Education</li> </ul> <p>Discussion and close</p>
<b>16:00</b>	<b>Conclude</b>

**Working languages:** English and French (with simultaneous interpretation)

**For further information on the objectives of the meeting, please contact:**

- Stéphan Vincent-Lancrin, OECD, EDU: [stephan.vincent-lancrin@oecd.org](mailto:stephan.vincent-lancrin@oecd.org)
- Claude Sauvageot (French Ministry of Education) : [claudef.sauvageot@education.gouv.fr](mailto:claudef.sauvageot@education.gouv.fr)
- Nadine Prost (French Ministry of Education): [nadine.prost@education.gouv.fr](mailto:nadine.prost@education.gouv.fr)

**For information on practical or logistical issues, please contact:**

- Therese Walsh, OECD: [therese.walsh@oecd.org](mailto:therese.walsh@oecd.org)

**Workshop Webpage:** [www.oecd.org/edu/innovation/parisseminar](http://www.oecd.org/edu/innovation/parisseminar)

**Background documents:**

- Innovation strategy: draft policy principles
- Innovation strategy: An Agenda for Policy Action on Innovation
- Innovation Strategy for Education and Training – progress note
- Measurement of innovation in education: first steps
- Working papers:
  - Janet Looney, Innovation and Assessment in Education
  - Christopher Lubienski, Do Quasi-Markets Foster Innovation in Education?
  - Philip Toner, Workforce Skills and Innovation: a review of major themes in the literature
  - Nathalie Greenan and Edward Lorenz, Learning Organisations

**Related event:**

The French Ministry of Education invites you to a meeting on 9 December 2009 at the Museum of Natural History. An [invitation](#) can be found on the seminar webpage.